MEARS

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MEARS

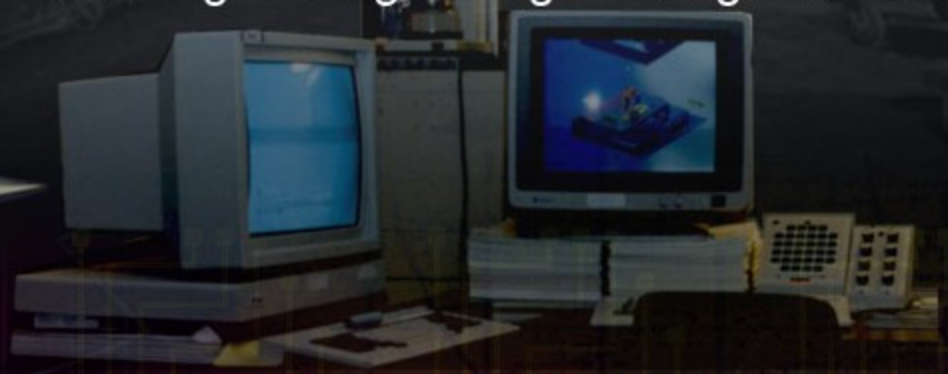
- MEARS is a Web Based Tool
  - Owned by the Government (GOTS)
  - Managed by the US Army-AMCOM
  - Supports Project Management Offices/Agencies
  - Reimbursable Funded Program
- MEARS has Evolved Over Ten Years
  - Customer Driven Requirements
  - Changes in Standards
  - Improvements in Technology

WHAT'S MEARS

- Automates the business process of engineering change
- Enables users in geographically dispersed locations to communicate
- Provides for concurrent creation and review of information
- Enables users to comment, vote and archive data
- Allows for electronic Configuration Control Board (CCB)
- Integrates data with CM relational databases, PDMs, etc
- Enables managers to monitor/manage the engineer change process

BACKGROUND

- Continual Improvement Through Evolutionary Development
  - Continual Improvement Through Evolutionary Development
  - Developed after CALS Cost Study - FY 90
  - Selected by JLSC, Mid 90's as the ECP tool of choice for DoD
  - Released Web Version, Late 98
  - Enhanced the system with XML capabilities - Aug 01
    Joint Engineering Change Management Model-JECMM



WHY MEARS

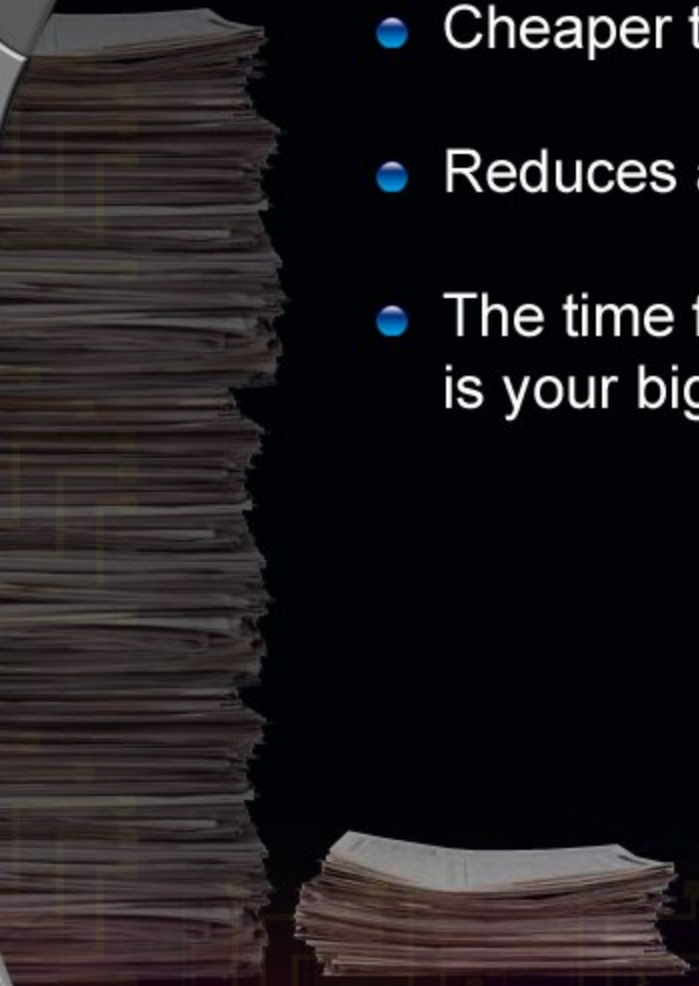
- Save Time
- Save Money
- Simplifies Processes

TIME

- Has reduced ECP review time by 85%
- MEARS review time for standard ECPs
  - Comments due: 11 days
  - CCB date: 14 days
- Can be as quick as 1 day
- Populates relational databases without duplicating data entry (CMIS, JEDMICS…)

MONEY

- Cheaper to produce ECP revisions
- Reduces amount of paper used
- The time factor in approving changes is your biggest money savings.

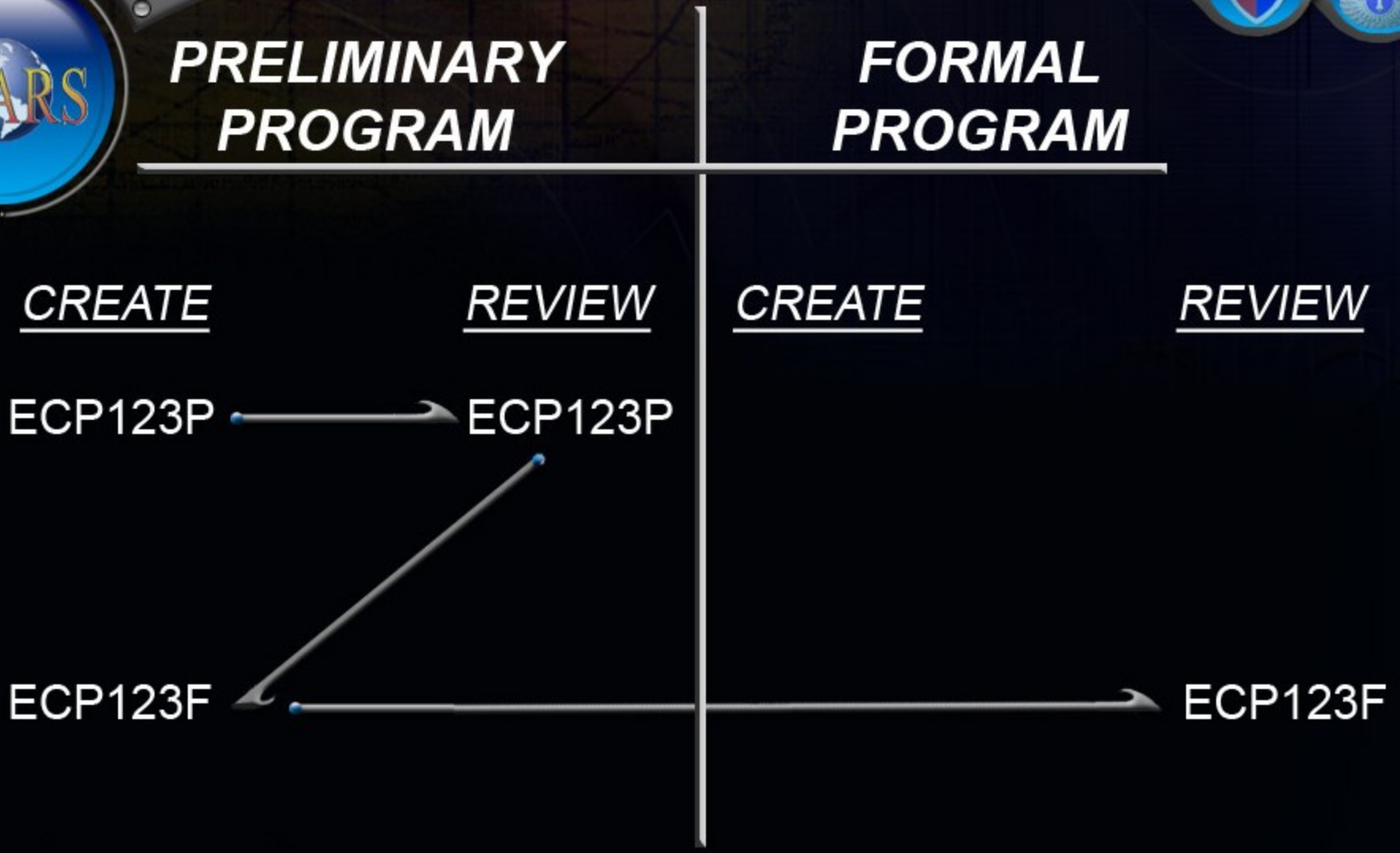


MEARS

Average number of pages per ECP	100
Average number of ECPs per year	66
Average number of users	175
Average price for 1 sheet of paper	$0.01
Average price for postage per doc	$5.00
Annual Paper Cost	$11,550.00
Annual Postage Cost	$57,750.00
Annual Reproduction Cost	$15,000.00
Total Annual Cost of Paper	$84,300.00

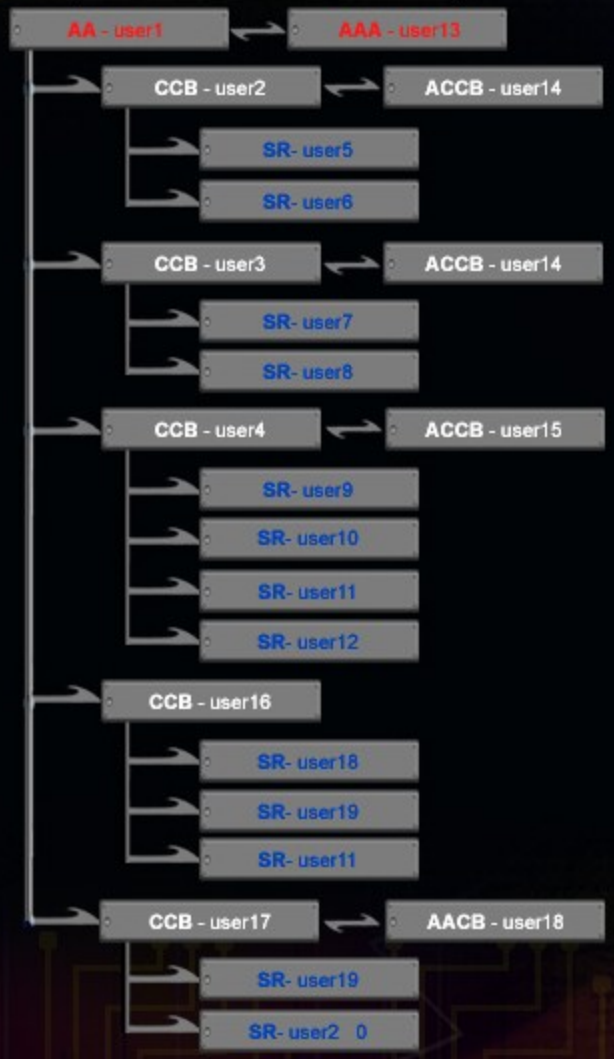
PROCESS SIMPLIFICATION

- USCG Short Form to submit ECRs from the field
- Allows for preliminary and formal review processes online.
- ECP status at a glance with a chain of command review structure.


PRELIMINARY PROGRAM
FORMAL PROGRAM
CREATE
REVIEW
CREATE
REVIEW
ECP123P
ECP123P
ECP123F
ECP123F

MEARS Review Hierarchy

Sample ECP Review Hierarchy



AA - Approval Authority

AAA - Alternate Approval Authority

CCB - Configuration Control Board Member

ACCB - Alternate Configuration Board Member

SR - Support Reviewer

HOW DOES MEARS WORK?

CREATE

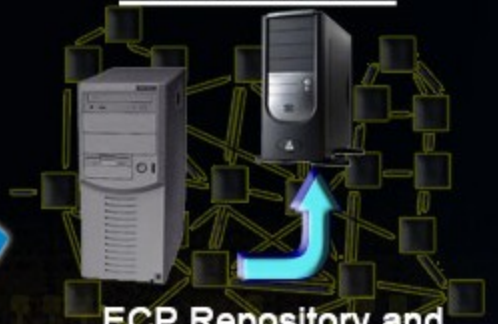
Manufacturers
Electronically create ECP

Notification sent to MEARS

SYSTEM UTILITIES

MEARS Customer Support
Verifies ECP functionality
and moves to review

MEARS DATABASE



ECP Repository and
CM Database Population

Notification sent to Reviewers

REVIEW

Concurrent Review and
Status Monitoring

Reviewer Comments and Votes

AGENCIES / PMO'S / CONTRACTORS

MEARS USERS

- ARMY
- USMC
- USCG
- USAF
- MDA
- DCMA

- ARM
- AVENGER
- Lower Tier – PATRIOT
- PM Bradley
- HAWK
- MLRS
- PEO AVN – CH-47
- AM-RDEC

- General Dynamics
- Boeing
- Lockheed Martin
- Northrop Grumman
- UDLP
- Raytheon
- CAS

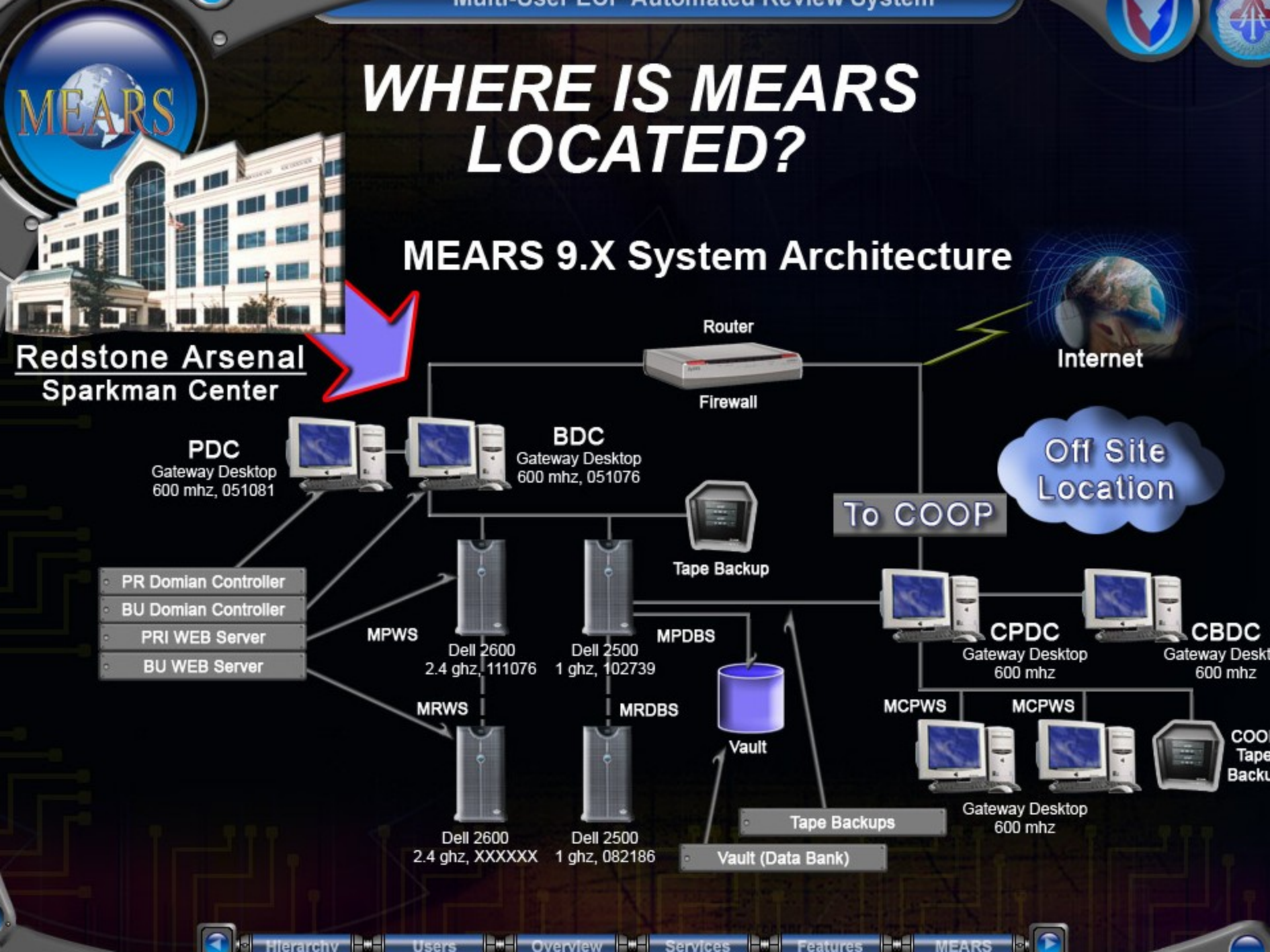
TEAM

- Program Manager (Government)
- Technical Project Lead
- Programmers
- Database Administrator
- System Administration
- Customer Support

WHERE IS MEARS LOCATED?

Redstone Arsenal
Sparkman Center

MEARS 9.X System Architecture



DELIVERABLES

- Web Based Tool
- Short Form Option
- Training
- Services

SERVICES OFFERED

- Customer Support:
  - ECP/RFD/RFW Processing/User Notification
  - User Account Maintenance
  - Help Desk
  - Refresher Training
  - Working Group Meetings
- System Administration:
  - Server Maintenance and Upgrades
  - Data Backups
- Technical:
  - Software Upgrades

USER FEEDBACK

Angie Toole CMIS/JEDMICS/MEARS PD
US Marine Corp Albany, GA
DSN 567-5586

"MEARS was deployed for selected Marine Corps tactical weapon programs in Dec 1999. Since deployment, MEARS has proven to be a user-friendly, dependable tool in the performance of configuration control and configuration status accounting (CSA) responsibilities."

USER FEEDBACK

Eric Kessler Engineering Performance Advocate
DCMA DSN 328-0947

- "MEARS certainly is one of our DCMA successful practices. Beyond the basic function of the software, what I appreciate most is its flexibility for use with so many technologies of our customers."

USER FEEDBACK

Jackie Crepeau CM Patriot Project Office
Huntsville, AL DSN 645-5396

- "We have had MEARS for 10 years.
- MEARS Provides:
  - Digital representation of the change
  - Real time version of the change to all reviewers
  - The Change to be time stamped into the system
  - Record of all changes to be archived for future references"

FEATURES & BENEFITS

- Streamlines process
- Saves paper, time, and money
- Encourages cooperative and concurrent document processing
- Allows managers to monitor the status of documents
- Controls access to information by user id and password
- Uses standard for document content
- Enforces mandatory data items during document creation
- Enhanced system with XML capabilities

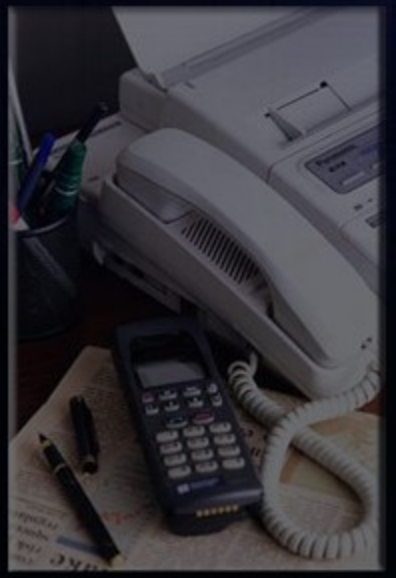
Customer Feature Request Database

#241	10/5/04	Sam Gachupin	Would like to attach a file and make comments when voting
#285	1/14/05	Debra Hobson	Attach a Signature Page to an ECP. This should be during the Approval Process

MEARS VISION

- Products of the highest quality that deliver “Best in class” value and performance.
- Customer Service that is courteous, responsive, and dependable.
- People who are professional, totally dedicated to exceeding expectations and always appreciative of our customer’s business.

LEARNING MORE ABOUT MEARS



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